

FILE NOTATIONS

Entered in NID File _____
 Entered On S R Sheet _____
 Location Map Pinned _____
 Card Indexed _____
 I W R for State or Fee Land _____

Checked by Chief _____
 Copy NID to Field Office _____
 Approval Letter _____
 Disapproval Letter _____

COMPLETION DATA:

Date Well Completed _____
 OW _____ WW _____ TA _____
 GW _____ OS _____ PA _____

Location Inspected _____
 Bond released _____
 State of Fee Land _____

LOGS FILED

Driller's Log _____
 Electric Logs (No.) 9

E _____ I _____ E-I ☒ GR ☒ GR-N ☒ Micro _____
 Lat _____ MI-L _____ Sonic 22 Others Formation Density Log

Radiationless Sonic Log - Sidewall Neutron
Cement Bond Log (Sonic) Porosity Log

0.00.41

145



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Utah
LEASE NUMBER
UNIT Paria Operating Unit

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Kane Field Wilceat

The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 19 66,

Agent's address P. O. Box 480 Company Pan American Petroleum Corporation

Farmington, New Mexico

Signed ORIGINAL SIGNED BY

Phone 325-8841

Agent's title Administrative Clerk

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
PARIA OPERATING UNIT										
NE/SW 16	40S	2N	1-A		Spudded 10-30-66, Drilling 948'.					
					Paria Operating Unit Well No. 1 abandoned at 2085'.					

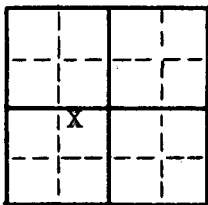
NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold;

_____ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

(SUBMIT IN DUPLICATE)

LAND:



STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
 SALT LAKE CITY, UTAH

Fee and Patented.....☐
 State☒
 Lease No.ML-11592.
 Public Domain☐
 Lease No.
 Indian☐
 Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill..... Notice of Intention to Change Plans..... Notice of Intention to Redrill or Repair..... Notice of Intention to Pull or Alter Casing..... Notice of Intention to Abandon Well.....	<input checked="" type="checkbox"/> 	Subsequent Report of Water Shut-off..... Subsequent Report of Altering Casing..... Subsequent Report of Redrilling or Repair..... Supplementary Well History.....	
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(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 1, 1966

Paria Operating Unit

Well No. 1-A is located 2050 ft. from ~~100~~ S line and 1900 ft. from ~~100~~ W line of Sec. 16

NE 1/4 SW 1/4 Section 16 T-40-S R-2-W Salt Lake

(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat Kane County Utah

(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is Unknown feet to be reported later.

A drilling and plugging bond has been filed with

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

Pan American Petroleum Corporation proposes to drill the subject exploratory well to an estimated total depth of 6000' in order to penetrate through the Mississippian formation estimated at 5250'. The anticipated casing program is as follows:

- 120' of 20", 90# conductor pipe cemented to surface.
- 1700' of 13-3/8", 54.5# J-55 surface casing cemented with 1500 sacks cement.
- 2800' of 9-5/8", 36# J-55 intermediate string cemented with 600 sacks cement.
- 3300' (from 2700-6000') 7", 20#, 23#, and 26# J-55 liner cemented with 750 sacks cement.

NOTE: Verbal approval to drill this well was obtained on October 27, 1966 from Mr. Paul W. Burchell of the State of Utah Oil & Gas Conservation Commission.

Spud date October 31, 1966.

Copies of Location Plat attached.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company PAN AMERICAN PETROLEUM CORPORATION

Address P. O. Box 480

Farmington, New Mexico

By *E. W. Eaton Jr.*

Title Area Engineer

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, properties, lines, oil and gas, and producing wells, within an area of sufficient size so that the Commission may determine whether the well conforms to applicable rules, regulations and orders.

APPROVED BY UTAH OIL AND GAS
 CONSERVATION COMMISSION

DATE 11-4-66 by *Paul W. Burchell*
 Chief Petroleum Engineer

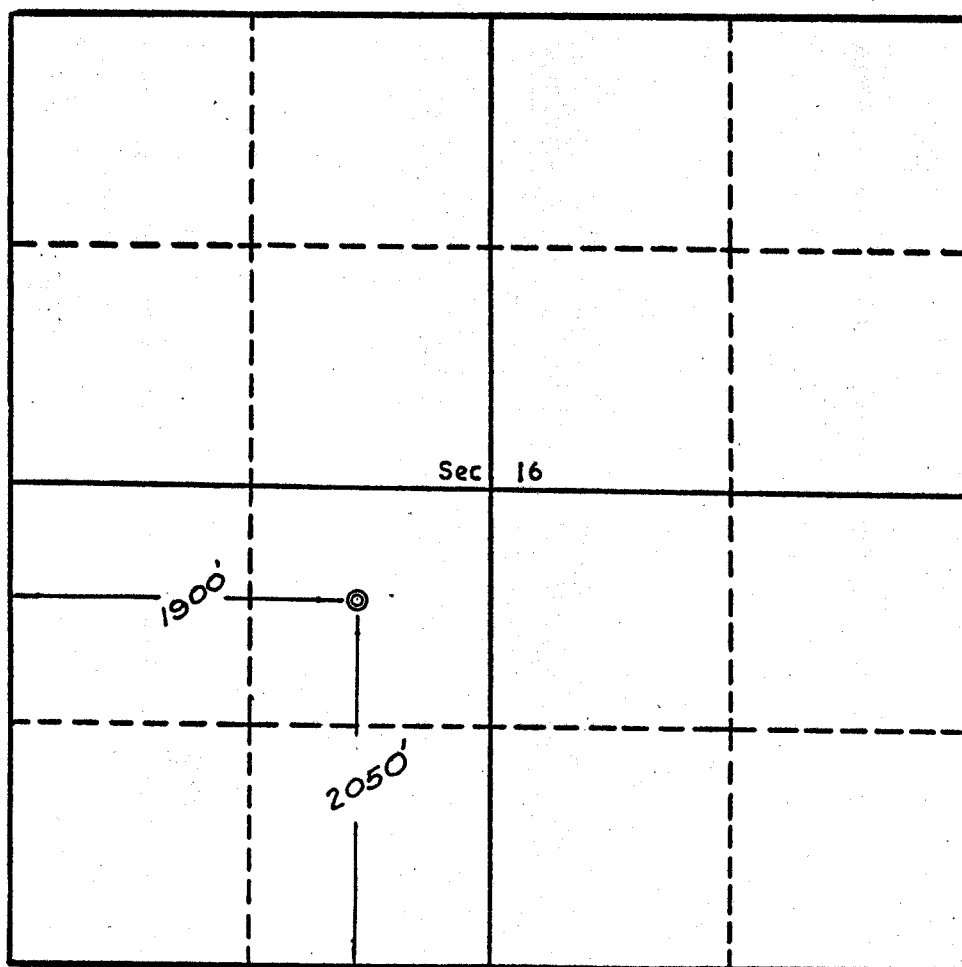
Company PAN AMERICAN PETROLEUM CORPORATION

Well Name & No. Parla Operating Unit No. 1-A

Location 2050 feet from the South line and 1900 feet from the West line.

Sec. 16, T. 40 S., R. 2 ^{West} ~~4~~, S. L. M., County Kane, Utah

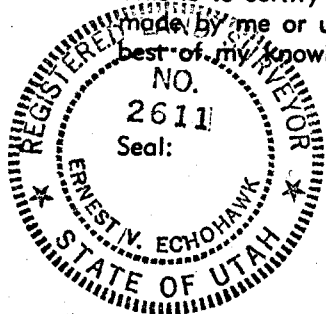
Ground Elevation Report Later



Scale, 1 inch = 1,000 feet

Surveyed October 28, 1966

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



Ernest V. Echohawk
Ernest V. Echohawk
Registered Land Surveyor
Utah Registration No. 2611

LAND OFFICE Utah
LEASE NUMBER _____
UNIT Paria Operating Unit

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Kane Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of November, 1966, _____

Agent's address P. O. Box 480 **Company** Pan American Petroleum Corporation

Farmington, New Mexico

Signed [Signature]

Phone 325-8841 Agent's title Administrative Clerk

Phone _____

24-5-66										
SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
PARIA OPERATING UNIT NE/SW 16	40S	2W	1-A							Spudded 10-30-66. Drilling 4858'.

NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold;

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form approved.
Budget Bureau No. 42-R3565.
Utah

LEASE NUMBER

UNIT

~~Serial~~ ~~Operating Unit~~

U.S. GOVERNMENT PRINTING OFFICE: 1964-O-729-784

1/12/67

Log marked ~~top~~ ~~DD~~ ~~secretly~~
and want confidential status

[George Eator - "Pan Am" -] Farmington, New Mexico

20" @ 118" - Circulated

13³/₈ @ 1700 - Camel @ 970

9 $\frac{5}{8}$ @ 2634 - 11 @ 790

7 $\frac{5}{8}$ @ 4610 - 9 500 sh

4 1/2" @ 5973 - reversed - @ Comet @ 4625

Tested Denomin - 5412 - 5722 -

DST - Water - sprayed 100%

911-211-1111 - Prof 5333-38 Water holes

Bridge piers 5315

from 5203-G - Water (Minerals) - Yesterday
plugging back to

zone 4868-74 Penryhain - last Cur zone
cor 7 $\frac{5}{8}$ / cement \rightarrow test

Cut $4 \frac{1}{2}"$ ~~stud~~ ^{stud} → Comart stud off

led 9-5" from 2634 up -

which is Shirbad (or Zempiricamp)

↳ 2570-85-oil ^{in sample} ~~new~~

also, as shown in Habitat cores (right)

→ ~~Diff~~ bridge plying at bottom of 98
cannot up to and across
perf. (won't cut)

Pen Am - Paria Stab # 1

see 16

T 40 S 1 P 2 W

Of one County

LAND OFFICE -----
LEASE NUMBER **Paria Operating Unit**
UNIT -----

OIL & GAS CONSERVATION COMMISSION

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Wildcat		5. LEASE DESIGNATION AND SERIAL NO. ML-11592
2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 480, Farmington, New Mexico		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2050' FSL & 1900' FWL		8. FARM OR LEASE NAME Paria Operating Unit
14. PERMIT NO.		9. WELL NO. 1-A
15. ELEVATIONS (Show whether DF, RT, GR, etc.) RDB 6243		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE/4 SW/4 Section 16, T-40S, R-2W
		12. COUNTY OR PARISH Kane
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject well was spudded October 30, 1966. A 17-1/2" hole was drilled to 118' and reamed to 26". Casing, 20", was set at 118' and cemented with 200 sacks. Cement was circulated to the surface. Hole was reduced to 17-1/2" at 118' and drilling resumed with air to 1700'. Casing, 13-3/8", was set at 1700' and cemented with 1900 sacks. The top of the cement was determined by a temperature survey at 970'. Reduced hole to 12-1/4" at 1700' and drilling resumed with mud. Casing, 9-5/8", was set at 2634' and cemented with 1000 sacks. Temperature survey showed cement at 790'. Reduced hole to 8-3/4" and cored with a 6-1/8" core barrel to 2718'. Recovered dolomite, dense with no show of oil or gas. Drilled 8-3/4" hole to 4610' and ran 7-5/8" casing and landed at 4610. Cemented casing with 500 sacks. Drilled 6-3/4" hole to 5953' and ran Gamma Ray Density log thru drill pipe. Drilled to 6000' and took 22 sidewall cores and recovered 4 at depths of 4865, 5165, 5714 and 5884 with no shows of oil or gas. Ran 4-1/2" casing and landed at 5973. Cemented casing with 400 sacks with top of cement by temperature survey at 5400'. Rotary rig was released December 20, 1966. Moved in completion rig January 3, 1967. Ran Cement Bond Log and found top of cement for 4-1/2" casing at 5250. Perforated Devonian 5712-22 with 4 shots per foot and swab tested. Recovered water with no shows. Squeeze cemented perforations with 100 sacks. Perforated Mississippian 5333-38 with 2 shots per foot and swab tested. Recovered water with no shows. Ran and set bridge plug at 5315. Perforated casing 5230-31 with 4 shots per foot and squeeze cemented with 150 sacks. Ran cement bond log and found top of cement at 4625. Perforated Mississippian 5203-06 with 2 shots per foot and swab tested. Recovered water with no shows. Ran and set bridge plug

(See other side)

18. I hereby certify that the foregoing is true and correct

SIGNED

G. W. Eaton, Jr.

TITLE

Area Engineer

DATE

March 6, 1967

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

at 5100. Perforated Pennsylvanian 4864-74 with 2 shots per foot and swab tested. Recovered water with no shows. Ran and set bridge plug at 3060. Ran jet cutter and cut off 4-1/2" casing at 2915 and pulled. Ran jet cutter and cut off 7-5/8" casing at 2845 and pulled. Spotted 30 sacks of cement on top of stub at 2845. Ran bridge plug and set at 2620. Ran cement bond log and found no bonding over interval to be tested. Perforated 9-5/8" casing 2570-85 with 4 shots per foot and squeeze cemented with 200 sacks. Reperforated Sinbad 2570-85 with 2 shots per foot and acidized with 1000 gallons. Swab tested and no recovery. Re-squeezed perforations with 370 sacks of cement. Reperforated Sinbad 2550-56 with 4 shots per foot and swab tested. Recovered water with no shows. Spotted 40 sacks of cement from 2563 to 2419 and 10 sacks from 30' to surface. Pumped 25 sacks down 20" & 13-3/8" annulus and 25 sacks down 13-3/8" - 9-5/8" annulus. Clean up location and erected abandonment marker.

Verbal approval to plug and abandon granted by telephone conversation between Mr. Feight and Mr. Eaton. Abandoned location cleanup has been inspected and approved by Mr. Burchell.

MAR 7 1962

PLUGGING PROGRAM FORM

Name of Company Pan American Pet. Corp. Verbal Approval Given To: George Eaton

Well Name: Paria State #1-A Sec. 16 T. 40 S. R. 2 W County: Kane County, Utah

Verbal Approval Was given to plug the above mentioned well in the following manner:

Re: Telephone Conversation
Jack-George Eaton
Farmington, New Mexico
325-8841

Notification was made by George Eaton that final plugs were in the process of being run for the above named well. (February 2, 1967)

They have a brige plug at the base - 2634' - 95/8" casing. Had ~~est~~ perfs between 2570-2585' which they squeezed with cement several times and it took the cement in a vacuum. The last squeeze set a retainer at 2563' with 1100 psi. After four attempts, they succeeded in squeezing off zone. Moved up to 2550' to 2556' and squeezed off and set plugs across these perfs in the Sinbad and they had a good test here where they recovered a load of water and additimal water with 200 PPM. 9 5/8" and 13 3/8" casing was set @ 1770' and pumped cement down the annulus. Went to the 20" (118') and 13 3/8" and pumped down cement and set plugs.

THE MOST SIGNIFICANT THING ABOUT THIS WELL: AT NO TIME DID THEY ENCOUNTER ANY MARINE OR SALTY WATER. ALL WATER WAS FRESH. EVEN THOUGH THIS WELL WAS HIGH STRUCTURALLY, TO PAN AMERICAN PETROLEUM CORPORATION, ALMOST THE ENTIRE KAIPAROWITS BASIN WOULD BE CONDEMNED.

Date Verbally Approved: February 2, 1967 Signed: CLEON B. FEIGHT

April 25, 1967

Pan American Petroleum Corporation
P. O. Box 480
Farmington, New Mexico

Re: Well No. Paria State Unit #1-A,
Sec. 16, T. 40 S., R. 2 W.,
Kane County, Utah.

Gentlemen:

This letter is to advise you that the "Well Completion or Recompletion Report and Log" for the above mentioned well is due and has not been filed with this Commission as required by our rules and regulations.

Please complete the enclosed Forms OGCC-3, "Well Completion or Recompletion Report and Log", in duplicate and forward them to this office and soon as possible.

Thank you for your cooperation in this request.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

KATHY G. WARNER
RECORDS CLERK

kgw

Enclosure: Forms

STATE OF UTAH

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

OIL & GAS CONSERVATION COMMISSION

ML-11592

5. LEASE DESIGNATION AND SERIAL NO.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:				OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input checked="" type="checkbox"/>	Other _____
b. TYPE OF COMPLETION:				NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>
				DIFF. RESVR. <input type="checkbox"/>	Other _____		
2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION							
3. ADDRESS OF OPERATOR P. O. Box 480, Farmington, New Mexico							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2050' FSL & 1900' FWL At top prod. interval reported below At total depth Same							
14. PERMIT NO.				DATE ISSUED			
15. DATE SPUDDED 10-30-66				16. DATE T.D. REACHED 12-15-66		17. DATE COMPL. (Ready to prod.) Plugged 2-3-67	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* RDB 6243		19. ELEV. CASINGHEAD --					
20. TOTAL DEPTH, MD & TVD 6000'				21. PLUG, BACK T.D., MD & TVD ---		22. IF MULTIPLE COMPL., HOW MANY* ---	
23. INTERVALS DRILLED BY Surf. - TD				ROTARY TOOLS		CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction Electric, GammaRay-Sonic and Density Log.						27. WAS WELL CORED Yes	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED		
20"	66.8	118'	26"	200 sacks	None		
13-3/8"	54.5	1700'	17-1/2"	1900 sacks	None		
9-5/8"	36	2634'	12-1/4"	1000 sacks	None		
7-5/8"	26.4	4610	8-3/4"	500 sacks	2845'		
29. 4-1/2"		10.5 LINER RECORD 5973'		6-3/4" 400 sacks		TUBING RECORD 2915'	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number) Devonian 5712-22' with 4 SPF Mississippian 5333-38' with 2 SPF 5203-06' with 2 SPF Pennsylvanian 4864-74' with 2 SPF Sinbad 2550-56' with 4 SPF				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED						
33.* All perforations squeeze cemented ✓ PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Plugged and Abandoned 2-3-67				WELL STATUS (Producing or shut-in) PXA	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							

SIGNED

G. W. Eaton, Jr.

TITLE

Area Engineer

DATE

April 27, 1967

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORDED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Sinbad	2550'					
Pennsylvanian	4808'					
Mississippian	5112'					
Devonian	5712'					

APR 1 1967